

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

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North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-21793-1

Client Project/Site: Canton Drop Forge

For:

TRC Environmental Corp-Payne Firm

1382 West Ninth Street

Cleveland, Ohio 44113

Attn: Kathleen Teuscher

Patrick O'Meara

Authorized for release by:

3/22/2013 4:09:57 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

#	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Job ID: 240-21793-1

Laboratory: TestAmerica Canton

Narrative

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CASE NARRATIVE

Client: TRC Environmental Corp-Payne Firm

Project: Canton Drop Forge

Report Number: 240-21793-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

TestAmerica utilizes USEPA approved methods, where applicable, in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated and were analyzed in accordance with Ohio Voluntary Action Program protocols, where applicable.

A summary of QC data for these analyses is included at the back of the report.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 03/08/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.4 C.

SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SP-01 (240-21793-1) and SP-02 (240-21793-2) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 03/11/2013 and analyzed on 03/13/2013 and 03/15/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Samples SP-01 (240-21793-1)[50X] and SP-02 (240-21793-2)[2.5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the SVOCs analyses. All quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS (GRO)

Case Narrative

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Job ID: 240-21793-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples SP-01 (240-21793-1) and SP-02 (240-21793-2) were analyzed for gasoline range organics (GRO) in accordance with EPA SW-846 Method 8015B - GRO. The samples were analyzed on 03/13/2013.

GRO (C6-C12) was detected in method blank MB 240-78133/1-A at a level below the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the GRO analyses. All other quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS (DRO)

Samples SP-01 (240-21793-1) and SP-02 (240-21793-2) were analyzed for diesel range organics (DRO) in accordance with EPA SW-846 Method 8015B - DRO. The samples were prepared on 03/11/2013 and analyzed on 03/13/2013 and 03/14/2013.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

Samples SP-01 (240-21793-1)[50X] and SP-02 (240-21793-2)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the DRO analyses. All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples SP-01 (240-21793-1) and SP-02 (240-21793-2) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 03/12/2013 and analyzed on 03/13/2013.

Barium was detected in method blank MB 240-78008/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

No other difficulties were encountered during the metals analyses. All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples SP-01 (240-21793-1) and SP-02 (240-21793-2) were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 03/12/2013 and analyzed on 03/14/2013.

No other difficulties were encountered during the mercury analyses. All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples SP-01 (240-21793-1) and SP-02 (240-21793-2) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 03/11/2013.

No difficulties were encountered during the % solids analyses. All quality control parameters were within the acceptance limits.

Method Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
8015A/OVAP	Gasoline Range Organics (GRO-OVAP)	OVAP	TAL NC
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NC
6010B	Metals (ICP)	SW846	TAL NC
7471A	Mercury (CVAA)	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

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Protocol References:

EPA = US Environmental Protection Agency

OVAP = OVAP

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

Sample Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-21793-1	SP-01	Solid	03/08/13 12:45	03/08/13 13:12
240-21793-2	SP-02	Solid	03/08/13 12:50	03/08/13 13:12



TestAmerica Canton

Detection Summary

Client: TRC Environmental Corp-Payne Firm
 Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Client Sample ID: SP-01

Lab Sample ID: 240-21793-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	2400		580	290	ug/Kg	50	*	8270C	Total/NA
Benzo[a]pyrene	1500		580	290	ug/Kg	50	*	8270C	Total/NA
Benzo[b]fluoranthene	650		580	290	ug/Kg	50	*	8270C	Total/NA
Benzo[g,h,i]perylene	700		580	290	ug/Kg	50	*	8270C	Total/NA
Anthracene	930		580	290	ug/Kg	50	*	8270C	Total/NA
Chrysene	5200		580	96	ug/Kg	50	*	8270C	Total/NA
Fluoranthene	1700		580	290	ug/Kg	50	*	8270C	Total/NA
Fluorene	540 J		580	290	ug/Kg	50	*	8270C	Total/NA
Phenanthrene	2900		580	290	ug/Kg	50	*	8270C	Total/NA
Pyrene	8300		580	290	ug/Kg	50	*	8270C	Total/NA
Acenaphthene	690		580	290	ug/Kg	50	*	8270C	Total/NA
Naphthalene	540 J		580	290	ug/Kg	50	*	8270C	Total/NA
GRO (C6-C12)	5500 B		890	410	ug/Kg	1	*	8015A/OVAP	Total/NA
Diesel Range Organics (C10-C20)	1800		1500	820	mg/Kg	50	*	8015B	Total/NA
Oil Range Organics (C20-C34)	19000		1500	820	mg/Kg	50	*	8015B	Total/NA
Barium	180 B		34	0.12	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.63		0.34	0.062	mg/Kg	1	*	6010B	Total/NA
Chromium	45		0.86	0.34	mg/Kg	1	*	6010B	Total/NA
Silver	0.29 J		0.86	0.17	mg/Kg	1	*	6010B	Total/NA
Arsenic	86		1.7	0.52	mg/Kg	1	*	6010B	Total/NA
Lead	56		0.52	0.33	mg/Kg	1	*	6010B	Total/NA
Selenium	9.9		0.86	0.77	mg/Kg	1	*	6010B	Total/NA
Mercury	0.78		0.18	0.027	mg/Kg	1	*	7471A	Total/NA

Client Sample ID: SP-02

Lab Sample ID: 240-21793-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	26		21	11	ug/Kg	2.5	*	8270C	Total/NA
Benzo[a]pyrene	24		21	11	ug/Kg	2.5	*	8270C	Total/NA
Benzo[b]fluoranthene	16 J		21	11	ug/Kg	2.5	*	8270C	Total/NA
Benzo[g,h,i]perylene	22		21	11	ug/Kg	2.5	*	8270C	Total/NA
Anthracene	12 J		21	11	ug/Kg	2.5	*	8270C	Total/NA
Chrysene	64		21	3.5	ug/Kg	2.5	*	8270C	Total/NA
Fluoranthene	22		21	11	ug/Kg	2.5	*	8270C	Total/NA
Phenanthrene	35		21	11	ug/Kg	2.5	*	8270C	Total/NA
Pyrene	120		21	11	ug/Kg	2.5	*	8270C	Total/NA
Naphthalene	22		21	11	ug/Kg	2.5	*	8270C	Total/NA
GRO (C6-C12)	250 B		130	59	ug/Kg	1	*	8015A/OVAP	Total/NA
Oil Range Organics (C20-C34)	370		110	59	mg/Kg	5	*	8015B	Total/NA
Barium	81 B		23	0.082	mg/Kg	1	*	6010B	Total/NA
Cadmium	0.31		0.23	0.042	mg/Kg	1	*	6010B	Total/NA
Chromium	14		0.58	0.23	mg/Kg	1	*	6010B	Total/NA
Arsenic	44		1.2	0.35	mg/Kg	1	*	6010B	Total/NA
Lead	25		0.35	0.22	mg/Kg	1	*	6010B	Total/NA
Selenium	4.4		0.58	0.52	mg/Kg	1	*	6010B	Total/NA
Mercury	0.064 J		0.14	0.020	mg/Kg	1	*	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
 Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Client Sample ID: SP-01

Date Collected: 03/08/13 12:45
 Date Received: 03/08/13 13:12

Lab Sample ID: 240-21793-1

Matrix: Solid
 Percent Solids: 57.0

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	2400		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Benzo[a]pyrene	1500		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Benzo[b]fluoranthene	650		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Benzo[g,h,i]perylene	700		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Benzo[k]fluoranthene	ND		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Anthracene	930		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Chrysene	5200		580	96	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Dibenz(a,h)anthracene	ND		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Fluoranthene	1700		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Fluorene	540 J		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Indeno[1,2,3-cd]pyrene	ND		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Phenanthrene	2900		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Pyrene	8300		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Acenaphthene	690		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Acenaphthylene	ND		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Naphthalene	540 J		580	290	ug/Kg	*	03/11/13 10:18	03/13/13 19:42	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Sur)	61		24 - 110				03/11/13 10:18	03/13/13 19:42	50
2-Fluorophenol (Sur)	52		24 - 110				03/11/13 10:18	03/13/13 19:42	50
2,4,6-Tribromophenol (Sur)	45		10 - 110				03/11/13 10:18	03/13/13 19:42	50
Nitrobenzene-d5 (Sur)	47		20 - 110				03/11/13 10:18	03/13/13 19:42	50
Phenol-d5 (Sur)	48		28 - 110				03/11/13 10:18	03/13/13 19:42	50
Terphenyl-d14 (Sur)	88		36 - 110				03/11/13 10:18	03/13/13 19:42	50

Method: 8015A/OVAP - Gasoline Range Organics (GRO-OVAP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C12)	5500	B	890	410	ug/Kg	*	03/13/13 09:36	03/13/13 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Sur)	56		10 - 150				03/13/13 09:36	03/13/13 15:28	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	1800		1500	820	mg/Kg	*	03/11/13 10:22	03/14/13 00:28	50
Oil Range Organics (C20-C34)	19000		1500	820	mg/Kg	*	03/11/13 10:22	03/14/13 00:28	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Nonane	45		10 - 110				03/11/13 10:22	03/14/13 00:28	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	180	B	34	0.12	mg/Kg	*	03/12/13 10:17	03/13/13 08:57	1
Cadmium	0.63		0.34	0.062	mg/Kg	*	03/12/13 10:17	03/13/13 08:57	1
Chromium	45		0.86	0.34	mg/Kg	*	03/12/13 10:17	03/13/13 08:57	1
Silver	0.29 J		0.86	0.17	mg/Kg	*	03/12/13 10:17	03/13/13 08:57	1
Arsenic	86		1.7	0.52	mg/Kg	*	03/12/13 10:17	03/13/13 08:57	1
Lead	56		0.52	0.33	mg/Kg	*	03/12/13 10:17	03/13/13 08:57	1
Selenium	9.9		0.86	0.77	mg/Kg	*	03/12/13 10:17	03/13/13 08:57	1

TestAmerica Canton

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Client Sample ID: SP-01

Lab Sample ID: 240-21793-1

Date Collected: 03/08/13 12:45

Matrix: Solid

Date Received: 03/08/13 13:12

Percent Solids: 57.0

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.78		0.18	0.027	mg/Kg	✗	03/12/13 14:10	03/14/13 12:38	1

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TestAmerica Canton

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
 Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Client Sample ID: SP-02

Date Collected: 03/08/13 12:50

Date Received: 03/08/13 13:12

Lab Sample ID: 240-21793-2

Matrix: Solid

Percent Solids: 78.6

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	26		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Benzo[a]pyrene	24		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Benzo[b]fluoranthene	16 J		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Benzo[g,h,i]perylene	22		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Benzo[k]fluoranthene	ND		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Anthracene	12 J		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Chrysene	64		21	3.5	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Dibenz(a,h)anthracene	ND		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Fluoranthene	22		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Fluorene	ND		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Indeno[1,2,3-cd]pyrene	ND		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Phenanthrene	35		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Pyrene	120		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Acenaphthene	ND		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Acenaphthylene	ND		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Naphthalene	22		21	11	ug/Kg	*	03/11/13 10:18	03/15/13 20:04	2.5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Sur)	61		24 - 110				03/11/13 10:18	03/15/13 20:04	2.5
2-Fluorophenol (Sur)	48		24 - 110				03/11/13 10:18	03/15/13 20:04	2.5
2,4,6-Tribromophenol (Sur)	65		10 - 110				03/11/13 10:18	03/15/13 20:04	2.5
Nitrobenzene-d5 (Sur)	52		20 - 110				03/11/13 10:18	03/15/13 20:04	2.5
Phenol-d5 (Sur)	49		26 - 110				03/11/13 10:18	03/15/13 20:04	2.5
Terphenyl-d14 (Sur)	85		36 - 110				03/11/13 10:18	03/15/13 20:04	2.5

Method: 8015A/OVAP - Gasoline Range Organics (GRO-OVAP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C12)	250	B	130	59	ug/Kg	*	03/13/13 09:36	03/13/13 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Sur)	86		10 - 150				03/13/13 09:36	03/13/13 16:04	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C20)	ND		110	59	mg/Kg	*	03/11/13 10:22	03/13/13 01:34	5
Oil Range Organics (C20-C34)	370		110	59	mg/Kg	*	03/11/13 10:22	03/13/13 01:34	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Nonane	36		10 - 110				03/11/13 10:22	03/13/13 01:34	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	81	B	23	0.082	mg/Kg	*	03/12/13 10:17	03/13/13 09:03	1
Cadmium	0.31		0.23	0.042	mg/Kg	*	03/12/13 10:17	03/13/13 09:03	1
Chromium	14		0.58	0.23	mg/Kg	*	03/12/13 10:17	03/13/13 09:03	1
Silver	ND		0.58	0.12	mg/Kg	*	03/12/13 10:17	03/13/13 09:03	1
Arsenic	44		1.2	0.36	mg/Kg	*	03/12/13 10:17	03/13/13 09:03	1
Lead	25		0.35	0.22	mg/Kg	*	03/12/13 10:17	03/13/13 09:03	1
Selenium	4.4		0.58	0.52	mg/Kg	*	03/12/13 10:17	03/13/13 09:03	1

TestAmerica Canton

Client Sample Results

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Client Sample ID: SP-02

Lab Sample ID: 240-21793-2

Date Collected: 03/08/13 12:50

Matrix: Solid

Date Received: 03/08/13 13:12

Percent Solids: 78.6

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.064	J	0.14	0.020	mg/Kg	X	03/12/13 14:10	03/14/13 17:30	1

8

TestAmerica Canton

Surrogate Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (24-110)	2FP (24-110)	TBP (10-110)	NBZ (20-110)	PHL (26-110)	TPH (36-110)
240-21793-1	SP-01	61	52	45	47	48	88
240-21793-2	SP-02	61	48	65	52	49	85
LCS 240-77851/10-A	Lab Control Sample	64	56	56	58	56	84
MB 240-77851/9-A	Method Blank	73	63	43	67	63	98

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

9

Method: 8015A/OVAP - Gasoline Range Organics (GRO-OVAP)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TFT2 (10-150)					
240-21793-1	SP-01	56					
240-21793-2	SP-02	86					
LCS 240-78133/2-A	Lab Control Sample	97					
MB 240-78133/1-A	Method Blank	76					

Surrogate Legend

TFT = Trifluorotoluene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		C91 (10-110)					
240-21793-1	SP-01	45					
240-21793-2	SP-02	36					
LCS 240-77852/15-A	Lab Control Sample	42					
MB 240-77852/14-A	Method Blank	46					

Surrogate Legend

C9 = n-Nonane

TestAmerica Canton

QC Sample Results

Client: TRC Environmental Corp-Payne Firm
 Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-77851/9-A							Client Sample ID: Method Blank				
Matrix: Solid							Prep Type: Total/NA				
Analysis Batch: 78121							Prep Batch: 77851				
Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Benzo[a]pyrene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Benzo[b]fluoranthene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Benzo[g,h,i]perylene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Benzo[k]fluoranthene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Anthracene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Chrysene	ND				6.7	1.1	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Dibenz(a,h)anthracene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Fluoranthene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Fluorene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Indeno[1,2,3-cd]pyrene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Phenanthrene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Pyrene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Acenaphthene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Acenaphthylene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Naphthalene	ND				6.7	3.3	ug/Kg		03/11/13 10:18	03/13/13 11:26	1
Surrogate		MB	MB	%Recovery	Qualifier	Limits	Prepared		Analyzed	Dil Fac	
2-Fluorobiphenyl (Sur)		73				24 - 110			03/11/13 10:18	03/13/13 11:26	1
2-Fluorophenol (Sur)		63				24 - 110			03/11/13 10:18	03/13/13 11:26	1
2,4,6-Tribromophenol (Sur)		43				10 - 110			03/11/13 10:18	03/13/13 11:26	1
Nitrobenzene-d5 (Sur)		67				20 - 110			03/11/13 10:18	03/13/13 11:26	1
Phenol-d5 (Sur)		63				26 - 110			03/11/13 10:18	03/13/13 11:26	1
Terphenyl-d14 (Sur)		98				36 - 110			03/11/13 10:18	03/13/13 11:26	1

Lab Sample ID: LCS 240-77851/10-A

Matrix: Solid
 Analysis Batch: 78338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA
 Prep Batch: 77851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Benzo[a]anthracene	667	511		ug/Kg		77	50 - 110	
Benzo[a]pyrene	667	564		ug/Kg		85	44 - 110	
Benzo[b]fluoranthene	667	620		ug/Kg		93	43 - 110	
Benzo[g,h,i]perylene	667	613		ug/Kg		92	51 - 110	
Benzo[k]fluoranthene	667	568		ug/Kg		85	38 - 105	
Anthracene	667	508		ug/Kg		76	48 - 110	
Chrysene	667	555		ug/Kg		83	50 - 110	
Dibenz(a,h)anthracene	667	638		ug/Kg		96	51 - 110	
Fluoranthene	667	547		ug/Kg		82	51 - 110	
Fluorene	667	505		ug/Kg		76	46 - 110	
Indeno[1,2,3-cd]pyrene	667	595		ug/Kg		89	50 - 110	
Phenanthrene	667	491		ug/Kg		74	49 - 110	
Pyrene	667	521		ug/Kg		78	49 - 110	
Acenaphthene	667	502		ug/Kg		75	38 - 110	
Acenaphthylene	667	476		ug/Kg		71	40 - 110	
Naphthalene	667	466		ug/Kg		70	36 - 110	

TestAmerica Canton

QC Sample Results

Client: TRC Environmental Corp-Payne Firm
 Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-77851/10-A

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 77851

Matrix: Solid

Analysis Batch: 78338

Surrogate	LCS	LCS	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Sur)			64		24 - 110
2-Fluorophenol (Sur)			56		24 - 110
2,4,6-Tribromophenol (Sur)			56		10 - 110
Nitrobenzene-d5 (Sur)			58		20 - 110
Phenol-d5 (Sur)			56		26 - 110
Terphenyl-d14 (Sur)			84		36 - 110

Method: 8015A/OVAP - Gasoline Range Organics (GRO-OVAP)

Lab Sample ID: MB 240-78133/1-A

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 78133

Matrix: Solid

Analysis Batch: 78130

Analyte	MB		Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	MB	MB									
GRO (C6-C12)	53.5	J			100	46	ug/Kg		03/13/13 09:36	03/13/13 12:28	1
Surrogate	MB	MB	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Trifluorotoluene (Sur)			76		10 - 150				03/13/13 09:36	03/13/13 12:28	1

Lab Sample ID: LCS 240-78133/2-A

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 78133

Matrix: Solid

Analysis Batch: 78130

Analyte	Spike		Result	LCS	LCS	Unit	D	%Rec	%Rec.	
	Added	Result	Qualifier	Unit	ug/Kg	103	60 - 142			
GRO (C6-C12)		800		823						
Surrogate	MB	MB	%Recovery	Qualifier	Limits				Prepared	Analyzed
Trifluorotoluene (Sur)			97		10 - 150				03/13/13 09:36	03/13/13 12:28

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 240-77852/14-A

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 77852

Matrix: Solid

Analysis Batch: 78043

Analyte	MB		Result	LCS	LCS	Unit	D	Prepared	Analyzed	Dil Fac
	MB	MB	Result	Qualifier	Unit	ug/Kg	103	60 - 142		
Diesel Range Organics (C10-C20)	ND			17	9.3	mg/Kg		03/11/13 10:22	03/12/13 18:08	1
Oil Range Organics (C20-C34)	ND			17	9.3	mg/Kg		03/11/13 10:22	03/12/13 18:08	1
Surrogate	MB	MB	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Nonane			46		10 - 110			03/11/13 10:22	03/12/13 18:08	1

TestAmerica Canton

QC Sample Results

Client: TRC Environmental Corp-Payne Firm
 Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 240-77852/15-A

Matrix: Solid

Analysis Batch: 78043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 77852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Diesel	83.3	61.9		mg/Kg	74	47 - 138	
Surrogate	LCS %Recovery	LCS Qualifier	Limits				Limits
n-Nonane	42		10 - 110				

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-78008/1-A

Matrix: Solid

Analysis Batch: 78244

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78008

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	0.106	J	20	0.071	mg/Kg		03/12/13 10:17	03/13/13 07:06	1
Cadmium	ND		0.20	0.036	mg/Kg		03/12/13 10:17	03/13/13 07:06	1
Chromium	ND		0.50	0.20	mg/Kg		03/12/13 10:17	03/13/13 07:06	1
Silver	ND		0.50	0.10	mg/Kg		03/12/13 10:17	03/13/13 07:06	1
Arsenic	ND		1.0	0.30	mg/Kg		03/12/13 10:17	03/13/13 07:06	1
Lead	ND		0.30	0.19	mg/Kg		03/12/13 10:17	03/13/13 07:06	1
Selenium	ND		0.50	0.45	mg/Kg		03/12/13 10:17	03/13/13 07:06	1

Lab Sample ID: LCS 240-78008/2-A

Matrix: Solid

Analysis Batch: 78244

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78008

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Barium	200	193		mg/Kg		96	80 - 120
Cadmium	5.00	4.92		mg/Kg		98	80 - 120
Chromium	20.0	20.0		mg/Kg		100	80 - 120
Silver	5.00	5.07		mg/Kg		101	80 - 120
Arsenic	200	189		mg/Kg		94	80 - 120
Lead	50.0	48.1		mg/Kg		96	80 - 120
Selenium	200	188		mg/Kg		94	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 240-78015/1-A

Matrix: Solid

Analysis Batch: 78388

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 78015

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.015	mg/Kg		03/12/13 14:10	03/14/13 12:23	1

Lab Sample ID: LCS 240-78015/2-A

Matrix: Solid

Analysis Batch: 78388

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 78015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.823		mg/Kg		99	73 - 121

TestAmerica Canton

QC Association Summary

Client: TRC Environmental Corp-Payne Firm
 Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

GC/MS Semi VOA

Prep Batch: 77851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	3540C	
240-21793-2	SP-02	Total/NA	Solid	3540C	
LCS 240-77851/10-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-77851/9-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 78121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	8270C	77851
MB 240-77851/9-A	Method Blank	Total/NA	Solid	8270C	77851

Analysis Batch: 78338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-77851/10-A	Lab Control Sample	Total/NA	Solid	8270C	77851

Analysis Batch: 78452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-2	SP-02	Total/NA	Solid	8270C	77851

GC VOA

Analysis Batch: 78130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	8015A/OVAP	78133
240-21793-2	SP-02	Total/NA	Solid	8015A/OVAP	78133
LCS 240-78133/2-A	Lab Control Sample	Total/NA	Solid	8015A/OVAP	78133
MB 240-78133/1-A	Method Blank	Total/NA	Solid	8015A/OVAP	78133

Prep Batch: 78133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	5030B	
240-21793-2	SP-02	Total/NA	Solid	5030B	
LCS 240-78133/2-A	Lab Control Sample	Total/NA	Solid	5030B	
MB 240-78133/1-A	Method Blank	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 77852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	3540C	
240-21793-2	SP-02	Total/NA	Solid	3540C	
LCS 240-77852/15-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-77852/14-A	Method Blank	Total/NA	Solid	3540C	

Analysis Batch: 78043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-2	SP-02	Total/NA	Solid	8015B	77852
LCS 240-77852/15-A	Lab Control Sample	Total/NA	Solid	8015B	77852
MB 240-77852/14-A	Method Blank	Total/NA	Solid	8015B	77852

TestAmerica Canton

QC Association Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

GC Semi VOA (Continued)

Analysis Batch: 78160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	8015B	77852

Metals

Prep Batch: 78008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	3050B	
240-21793-2	SP-02	Total/NA	Solid	3050B	
LCS 240-78008/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 240-78008/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 78015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	7471A	
240-21793-2	SP-02	Total/NA	Solid	7471A	
LCS 240-78015/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 240-78015/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 78244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	6010B	78008
240-21793-2	SP-02	Total/NA	Solid	6010B	78008
LCS 240-78008/2-A	Lab Control Sample	Total/NA	Solid	6010B	78008
MB 240-78008/1-A	Method Blank	Total/NA	Solid	6010B	78008

Analysis Batch: 78388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	7471A	78015
240-21793-2	SP-02	Total/NA	Solid	7471A	78015
LCS 240-78015/2-A	Lab Control Sample	Total/NA	Solid	7471A	78015
MB 240-78015/1-A	Method Blank	Total/NA	Solid	7471A	78015

General Chemistry

Analysis Batch: 77923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21793-1	SP-01	Total/NA	Solid	Moisture	
240-21793-2	SP-02	Total/NA	Solid	Moisture	

TestAmerica Canton

Lab Chronicle

Client: TRC Environmental Corp-Payne Firm
 Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Client Sample ID: SP-01

Date Collected: 03/08/13 12:45

Date Received: 03/08/13 13:12

Lab Sample ID: 240-21793-1

Matrix: Solid

Percent Solids: 57.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			77851	03/11/13 10:18	AC	TAL NC
Total/NA	Analysis	8270C		50	78121	03/13/13 19:42	JG	TAL NC
Total/NA	Prep	5030B			78133	03/13/13 09:36	HMB	TAL NC
Total/NA	Analysis	8015A/OVAP		1	78130	03/13/13 15:28	HMB	TAL NC
Total/NA	Prep	3540C			77852	03/11/13 10:22	AC	TAL NC
Total/NA	Analysis	8015B		50	78160	03/14/13 00:28	DB	TAL NC
Total/NA	Prep	3050B			78008	03/12/13 10:17	DE	TAL NC
Total/NA	Analysis	6010B		1	78244	03/13/13 08:57	KC	TAL NC
Total/NA	Prep	7471A			78015	03/12/13 14:10	DE	TAL NC
Total/NA	Analysis	7471A		1	78388	03/14/13 12:38	SG	TAL NC
Total/NA	Analysis	Moisture		1	77923	03/11/13 16:48	AM	TAL NC

Client Sample ID: SP-02

Date Collected: 03/08/13 12:50

Date Received: 03/08/13 13:12

Lab Sample ID: 240-21793-2

Matrix: Solid

Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			77851	03/11/13 10:18	AC	TAL NC
Total/NA	Analysis	8270C		2.5	78452	03/15/13 20:04	JG	TAL NC
Total/NA	Prep	5030B			78133	03/13/13 09:36	HMB	TAL NC
Total/NA	Analysis	8015A/OVAP		1	78130	03/13/13 16:04	HMB	TAL NC
Total/NA	Prep	3540C			77852	03/11/13 10:22	AC	TAL NC
Total/NA	Analysis	8015B		5	78043	03/13/13 01:34	DB	TAL NC
Total/NA	Prep	3050B			78008	03/12/13 10:17	DE	TAL NC
Total/NA	Analysis	6010B		1	78244	03/13/13 09:03	KC	TAL NC
Total/NA	Prep	7471A			78015	03/12/13 14:10	DE	TAL NC
Total/NA	Analysis	7471A		1	78388	03/14/13 17:30	SG	TAL NC
Total/NA	Analysis	Moisture		1	77923	03/11/13 16:48	AM	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

Certification Summary

Client: TRC Environmental Corp-Payne Firm
Project/Site: Canton Drop Forge

TestAmerica Job ID: 240-21793-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

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TestAmerica Canton

Chain of Custody Record

TestAmerica Laboratory location:

Regulatory program:

N. Canton

DW

NPDES

RCRA

Other

Off site

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

COC No:
041017

1 COCs

Client Contact		Client Project Manager:		Site Contact:		Lab Contact:		TestAmerica Laboratories, Inc.	
Company Name: TRI ENVIRONMENTAL	KATHIE TESCHER	M. BIRD	DARLA DREKETTA					COC No: 041017	
Address: 1382 W. 9th St. 200	Telephone: 216.344.3072	Telephone: 330.416.4809	Telephone:					1 COCs	
City/State/Zip: CLEVELAND OH 44113	Email: ltescher@resolutions-oh.com	Analysis Turnaround Time (in Bus days)		TAT if different from below		Analyses		For lab use only	
Phone: 216.344.3072	Method of Shipment/Carrier: DOOR TO DOOR			<input type="checkbox"/> 3 weeks	<input checked="" type="checkbox"/> 2 weeks			Walk-in/Chimney	
Project Name: COF	Shipping/Tracking No:			<input type="checkbox"/> 1 week	<input type="checkbox"/> 2 days			Lampster	
Project Number: 196463 Task 4	P O #			<input type="checkbox"/> 1 day	<input type="checkbox"/>			Lab sampling	
Sample Identification		Sample Date	Sample Time	Matrix	Containers & Preservatives	Comments	Sample AV/N	Job/SDG No	
SP-01		3/8/13	1245	4	HORN	1	2	240-21793	
SP-02		3/8/13	1250	4	HORN	1	2		
					HORN		6		
					HORN		6		
					HORN		6		
					HORN		6		
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return to Client	<input checked="" type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For	Months	
Special Instructions/QC Requirements & Comments: <i>OHIO DAP</i>									
Relinquished by: <i>dkb</i>	Company: TRI	Date/Time: 3/8/13//13:12	Received by: <i>dkb</i>	Company: TRI	Date/Time: 3-8-13 13:12				
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:				
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:				

TAL 0018-1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative

Login # : 71793

Client TLC

Site Name

By: 

Cooler Received on 3-8-13

Opened on 3-8-13

(Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other

TestAmerica Cooler # **Foam Box** **Client Cooler** **Box** **Other** **BAG**

Packing material used: Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

higher temperature upon receipt

- ### 1. Cooler temperature upon receipt

IR GUN# 1 (CF -2 °C) Observed Sample Temp. _____ °C Corrected Sample Temp. _____ °C

IR GUN# 4G (CF 0 °C) Observed Sample Temp. ____ °C Corrected Sample Temp. ____ °C

IR GUN# 5G (CF 0 °C) Observed Sample Temp. °C Corrected Sample Temp. °C

Multiple
on Back

- IR GUN# 8 (CF 0 °C) Observed Sample Temp. -4 °C Corrected Sample Temp. -4

 2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes NO
 -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
 -Were custody seals on the bottle(s)? Yes NO
 3. Shippers' packing slip attached to the cooler(s)? Yes NO
 4. Did custody papers accompany the sample(s)? Yes No
 5. Were the custody papers relinquished & signed in the appropriate place? Yes No
 6. Did all bottles arrive in good condition (Unbroken)? Yes No
 7. Could all bottle labels be reconciled with the COC? Yes No
 8. Were correct bottle(s) used for the test(s) indicated? Yes No
 9. Sufficient quantity received to perform indicated analyses? Yes No
 10. Were sample(s) at the correct pH upon receipt? Yes No NA
 11. Were VOAs on the COC? Yes NO
 12. Were air bubbles >6 mm in any VOA vials? Yes No NA
 13. Was a trip blank present in the cooler(s)? Yes NO

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other
Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s)

recommended pH level(s). Nitric Acid Lot# 031512-HNO₃; Sulfuric Acid Lot# 051012-H₂SO₄; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH₃COO)₂ZN/NaOH. What time was preservative added to sample(s)?